



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

No. 11, 12, 17, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

सं० 1] 26, 27, 28 मई बिसुई, शनिवार, जनवरी 1, 1983 (पौष 11, 1904)

No. 1] 39, 40 NEW DELHI, SATURDAY, JANUARY 1, 1983 (PAUSA 11, 1904)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है, जिससे कि यह भाग लोकमन के रूप में रखा जा सके ।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

### [PART III—SECTION 2]

ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
otifications and Notices issued by the Patent Office relating to Patents and Designs)

#### THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 1st January, 1983

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Telegraphic Address : "PATOFFICE".

The States of Gujarat, Maharashtra and Madhya Pradesh  
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cipal Market Building, Saraswati Marg, Karol Bagh, New  
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Telegraphic address : "PATENTOFIS".

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Nadu, and the Union Territories of Pondicherry, Laccadive,  
Minicoy and Amindivi Islands.

Patent Office, (Head Office), 214, Acharya Jagadish Bose  
Road, Calcutta-700 017.

Telegraphic Address : "PATENTS".  
Rest of India.

1.—397 GI/82

(1)

All applications, notices, statements or other documents or  
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#### CORRIGENDA

(1)

In the Gazette of India Part III, Section 2 dated the 8th  
November, 1980 at page 551 column 1 under the heading  
"Complete specification accepted" in patent application No.  
148132.

(1) Delete—"Division of application No. 1328/Cal/76 filed  
26th July, 1976".

(2) In the said Gazette of India Part III Section 2 dated  
8th November, 1980 at page 549 under the heading "Al-  
teration of Date"

Delete—only against No. 148132/266/Del/878.

(2)

Specification No. 148170

In pursuance of the request made by Metallurgical Deve-  
lopment Company on 1st October, 1981 under Section 20(1)  
of the Patents Act, 1970 and the allowance notified in the

Gazette of India, Part III, Section 2, dated .....  
the specification has been amended as follows :—

1. In the Printed Specification :—

In page 1 after line 9

delete "I.S.C. Smelting Limited, a British Company of 6 St. Jame's Square, London, SW1Y 4LD, England" and insert "Metallurgical Development Company, a partnership carrying on business in the Bahamas under the aforesaid name and style at Trust Corporation of Bahamas Building, West Bay Street, Nassau, Bahamas, whose partners are Metallurgical Processes Limited, a company incorporated in the Bahamas whose registered office is situated at Trust Corporation of Bahamas Building, East Bay Street, Nassau, Bahamas and I.S.C. Smelting Limited, a British Company, of St. Jame's Square, London SW1Y 4LD., England".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017.

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

25th November 1982

1372/Cal/82. Siemens Aktiengesellschaft. Controlling a machine tool.

1373/Cal/82. Barr & Stroud Limited. Optical scanning systems. (25th November, 1981).

26th November, 1982

1374/Cal/82. Shell Internationale Research Maatschappij B.V. Apparatus for separating mixtures of liquid and gas. (27th Nov., 1981).

1375/Cal/82. PLM AB., Method of producing a container.

1376/Cal/82. Rosemount Inc. Apparatus for conveying fluid pressures to a differential pressure transducer.

1377/Cal/82. Westinghouse Electric Corporation. Control of bed height in a fluidized bed gasification system.

1378/Cal/82. Westinghouse Electric Corporation. Unjointed amorphous metal core.

1379/Cal/82. Harbanslal Malhotra & Sons Ltd. A shaving blade and/or head cartridge.

1380/Cal/82. Harbanslal Malhotra & Sons Limited. A safety razor.

1381/Cal/82. Kabushiki Kaisha Meldensha. Vacuum interrupter.

27th November, 1982

1382/Cal/82. M.A.N. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Air-compressing, direct-injection internal combustion engine.

1383/Cal/82. Rheometron AG. Measured-value sensors for magnetic-inductive flowmeters.

1384/Cal/82. Indian Aluminium Company Limited. Non-staining lubricant for use in machineries operating under moderate loads and speeds.

1385/Cal/82. Maheshwar Patra. Thermo Mechanical power-wheel.

1386/Cal/82. Maheshwar Patra. Gravitational power-wheels.

1387/Cal/82. Maheshwar Patra. Water wheel.

1388/Cal/82. Maheshwar Patra. Bullock driven power-wheel.

1389/Cal/82. Maheshwar Patra. Sea wave power wheel.

29th November, 1982

1390/Cal/82. BBC Brown, Boveri & Company. Switching amplifier.

1391/Cal/82. Ranendra Nath Das. Speed reduction gearing system employing reversible work done method.

30th November, 1982

1392/Cal/82. Dumoniter Roland and Chantiers Navals De La ciotat Societe anonyme. Hospital construction transportable by water.

1393/Cal/82. Trutzschler GMBH & Co. KG. Method and device for mixing textile fibres.

1394/Cal/82. Union Explosives Rio Tinto, S.A. Improvements in the composition of explosive slurries.

1395/Cal/82. Cummins Engine Company, Inc. Surface temperature control apparatus.

1396/Cal/82. Union Explosives Rio Tinto, S.A. Composition and procedure for the production of emulsion explosives.

01st December, 1982

1397/Cal/82. Kumar Krishna Rohatgi. A led (light Emitting Diode) Lamp.

1398/Cal/82. Dr. Ing. Gunter Alatlund. Lengthened discharge nozzle for tundishes.

1399/Cal/82. Mitsui Aoatsu Chemicals, Inc. Process for preparing mononitrochlorobenzene.

1400/Cal/82. Hoechst Aktiengesellschaft. Process for the preparation of obligate methylotrophic bacteria, and plasmids and host organisms suitable for these.

1401/Cal/82. Robert D. Hancock. Ebulliometric hot spot detector.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, III FLOOR, KAROL BAGH, NEW DELHI-5.

23rd October, 1982

771/Del/82. Council of Scientific and Industrial Research. "A three phase Meter Starter device with in built single phase preventor".

772/Del/82. Council of Scientific and Industrial Research. "A device for automatic uninterrupted single phase power supply from a three phase power supply source".

773/Del/82. Council of Scientific and Industrial Research. "Process for the preparation of 6, 6'-DI-O-(succinyl 1, 2-DI-Acylgly-ceryl-phosphatidyletha-nol-amino) trehalose".

774/Del/82. Council of Scientific and Industrial Research. "Process for the preparation of 6, 6'-DI-O-(succinyl-Chloesterol) trehalose".

775/Del/82. Council of Scientific and Industrial Research. "Process for the preparation of 6, 6'-DI-O-(succinyl-1, 2-Di-acylglyceryl) Trehalose".

776/Del/82. Council of Scientific and Industrial Research. "Beta alumina diaphragm and solid electrolyte for sodium sulphur battery—tube forming".

777/Del/82. Indian Drugs & Pharmaceuticals Limited. "Processes for the preparation of isothiocyanato benzoxa (thia) zinones of therapeutic interest".

778/Del/82. Suraj Prakash Tuteja. "An improved optical colour generation and matching process and apparatus therefor".

25th October, 1982

779/Del/82. Etablissements Griset. "Apparatus for the continuous casting of products especially of metals, such as copper alloys".

780/Del/82. Sacilor. "Shaped blanks, methods for their production and improvements to the universal rolling of rails".

781/Del/82. Jagat Punjabhai Palkhiwala, "A device for conveying or transmitting rotary motion".

782/Del/82. Geeta Devi Agrawal, "Pellet for growing plants for example flowers & vegetables".

29th October, 1982

783/Del/82. White Consolidated Industries, Inc., "Soot blower".

784/Del/82. John Walter Rilett, "Apparatus for discharging pressurised containers." (November 7, 1981).

785/Del/82. Exxon Research and Engineering Company, "Amino acids and process for preparing same".

786-Del/82. Maskin AB Plavia, "Method for producing food-stuffs from whole cereal grains".

787/Del/82. Westinghouse Brake and Signal Company Limited "Testing operability of a semiconductor device" (November 14, 1982).

788/Del/82. Gayatri Goswami, Narottam Puri Goswami and Avinash Goswami, "Recycling and utilization of waste matter thrown on streets with prevention of pollution.

30th October, 1982

789/Del/82. Roxy Metal Industries, "Improvement in or relating to door stopper".

790/Del/82. K. D. Mannan and L. S. Cheema, "Multi-step asymmetric reflector solar cooker".

791/Del/82. Dumas Et Inchauspe, "Process for the continuous preparation of alkanolamine photo-sulphonates from fatty esters or petroleum paraffins, and the alkanolamine photosulfonates thus obtained".

792/Del/82. Pozel S.A., "Heating device".

793/Del/82. Toyo Engineering Corporation, "Air-cooled, liquid-cooling apparatus".

794/Del/82. University of Nottingham, "Determining locations of faults in power transmission lines".

795/Del/82. Ortnier Freight Car Company, "Actuating and locking means for the hopper doors of a railroad hopper car".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, III FLOOR, SUN-MILL COMPOUND, LOWER PAREL (W), BOMBAY-13.

05-11-1982

299/Bom/1982. Paramount Sinters Pvt. Ltd. Process of making and shaping of Iron Ore Sinters for the production of Sponge Iron.

06-11-1982

300/Bom/1982. M/s. Camphor & Allied Products Limited. A process for the preparation of 4-chloro-(1-Methyl Ethyl) Benzenecetic acid from 1- (4-Chlorophenyl)-2-Methyl Propan-1-One.

08-11-1982

301/Bom/1982. Prabhakar Damodar Godbole. Automatic Tilting Gate.

10-11-1982

302/Bom/1982. Pressure Cookers & Appliances Limited. Pressure Cookers.

303/Bom/1982. Hindustan Lever Limited. Stable Liquid Detergent Suspensions.

11-11-1982

304/Bom/1982. Lal-Roe Measuring Tools Pvt. Ltd. An improved roll type measuring tape.

305/Bom/1982. W Schlafhorst & Co. Holder for a bobbin tube of a textile spool which is open at both sides.

306/Bom/1982. Hemant Ganesh Kelkar. A reversible over running clutch.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

22nd November, 1982

228/Mas/82. V. C. Chellam. 'COCON' A Indigenous Mixture for the Treatment of disease in Cocos Mucifera.

24th November, 1982

229/Mas/82. P. Bir. Chamfering Machine.

230/Mas/82. R. S. Bir. Second Cut Cycle on Chucking Machine.

26th November, 1982

231/Mas/82. T.P.P. Achari. An Improved Plough Blade.

232/Mas/82. Lucas Industries Public Limited Company. Deceleration-sensing Modulator Vale Assembly for vehicle Braking Systems. (December 2, 1981.)

27th November, 1982

233/Mas/82. K. C. Bhatt. Composite Magnets or a Method of Improving Flux Densities of Magnets Using Multiple Magnetic Fields.

#### ALTERATION OF DATE

150850.

Ante dated to 17th February 1979.

122/Mas/80.

150868.

164/Mas/79.

Post dated to 29th November, 1980.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classification given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS 24( D<sub>1</sub>+F)

150844.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

Int. Cl. F 16 j 11/00.

**A BOOSTED MASTER CYLINDER ASSEMBLY FOR A VEHICLE BRAKING SYSTEM.**

Applicant: LUCAS INDUSTRIES LIMITED, GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor: ALFRED WILLIAM THOMAS.

Application No. 224/Mas. 79 filed December 11, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims.

A boosted master cylinder assembly for a vehicle braking system, comprising an hydraulic tandem master cylinder assembly and a servo booster assembly; the master cylinder assembly comprising a tandem master cylinder housing defining primary and secondary master cylinder bores, primary and secondary master pistons slidable in the respective bores, recuperation valves responsive to the axial position of the respective primary and secondary pistons in said bores and a lost motion connected between said pistons permitting a predetermined range of axial movement of said pistons relative to each other, said pistons having parts which mutually and positively engage each other to establish the range of relative movement of said pistons apart from each other; the servo booster assembly comprising a servo booster housing connected to the master cylinder housing in a fixed relationship, an output member for applying a force to the primary master piston and connected in a fixed relationship to the primary master piston, and first resilient means urging both the output member and the primary master piston toward their retracted positions; and there being a stop carried by the master cylinder housing for determining the retracted positions of the primary master piston and of the output member.

(Comp. 17 Pages; Drwgs. 3 Sheets.)

CLASS 179C.

150845.

Int. Cl. B 67 b 1/08.

**A CLOSURE FOR A BOTTLE.**

Applicants & Inventors: (1) GEORGE JATHANNA GLADSON, (2) SRINIVASA GUPTA, (3) SEETHARAMA SETTY, (4) RAJARATHNAM KRISHNA KUMAR & (5) PADMINI GOPALATHNAM, C/O. COOK MAX INDUSTRIES, NO. 32, PERIA THAMBI MUDALI STREET, CHOOLAI, MADRAS-600 007, TAMIL NADU.

Application No. 77/Mas/80 filed April 21, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims.

A closure for a bottle comprising a housing snugly accommodating a flexible and movable member, the housing and the member having matching flared base portions normally positioned against each other, the base portion of the member being provided with an opening having a circumferential lip on its interior, such that whenever the mouth of a bottle of a circumference less than the circumference of the lip is thrust into the opening, the base portion of the member is displaced with respect to the base portion of the housing, thereby constricting the base portion of the member and thus constraining the lip to securely close around the mouth of the bottle.

(Con.—8 pages; Drwgs.—1 sheet)

CLASS 180.

150846.

Int. Cl. F 24 c 5/18.

**A KEROSENE STOVE.**

Applicant: KALATHIL PERAZHI MANMOHAN, MOTI INDUSTRIES AND ENGINEERING WORKS, NATIONAL HIGHWAY, EDAPPAULY, COCHIN 682-024, KERALA.

Inventor: MUNDIATH GOPINATH.

Application No. 121/Mas. 80 filed July 5, 1980.

4 Claims.

A kerosene stove comprising a master burner unit receiving gravity feed of kerosene from a tank and being ignitable after pre-heating in the known way characterised by at least one slave burner unit receiving supply of kerosene from the fuel-line of the master burner unit; a heat absorber and a gas former, the heat absorber absorbing heat from the master burner and imparting the same to the gas former, the supply of kerosene being routed through the gas former, a jet and mixing tube leading to the slave burner, the kerosene from the gas former being led through the said jet and mixing tube, so as to evaporise and mix the kerosene with air initially in the mixing tube and thereafter at the top of the slave burner, thus enabling the resulting mixture to ignite at the slave burner without pre-heating.

(Com.—9 pages; Drwgs.—1 sheet)

CLASS 187H, 206B.

150847.

Int. Cl. G 08 c 15/00.

**MULTIPLE CHANNEL 2-WIRE AUDIO TRANSMISSION SYSTEM.**

Applicants: THE TATA HYDRO-ELECTRIC POWER SUPPLY CO. LTD., THE ANDHRA VALLEY POWER SUPPLY CO. LTD., THE TATA POWER COMPANY LIMITED OF BOMBAY HOUSE, HOMI MODI STREET, BOMBAY-400 023, MAHARASHTRA, INDIA.

Inventors: 1. BRAHIM FAKHRUDDIN DHILLA, 2. ZAL JEHangir Engineer and 3. KERSI JAMSHED SHASTRI.

Application No. 203/Bom/1979. Filed July 13, 1979.

Complete after provisional left on Jun 28, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent office, Bombay Branch.

2 Claims.

A multiple channel 2-wire audio transmission system comprising in combination a transmitter system and a receiver system, said transmitter system having a plurality of input terminals connected to signals coming from a plurality of programmes sources, said transmitter system having there-within channel processors which provide spacing of each programme signal in the predetermined allotted frequency slots, a summer amplifier for linearly summing up of processed output of channel processors said processed output being transmitted on a 2-wire line to said receiver system, said receiver system comprising a R.F. Filter, a mixer oscillator, a channel selector switch for selecting a particular programme signal and a processor and an audio amplifier means for processing, filtration and demodulating the particular programme signal selected and loud speaker through which the selected programme is heard.

Complete specification 8 pages Drawings NIL.

Provisional specification 6 pages. Drawings 2 Sheets.

Ind. CLASS 187C2.

150848.

Int. Class: H 04 m 15/00.

**A DEVICE FOR MEASURING THE ELAPSED TIME OF A TRUNK CALL AND TO GIVE THE VARIOUS WARNING SIGNALS.**

Applicants: M/S. JYOTI LIMITED P.O. CHEMICAL INDUSTRIES, BARODA, 390 003, STATE OF GUJARAT, INDIA.

Inventors: (1) SHRI HARSHAVARDHAN VASANI SAHASRABUDHE, (2) SHRI GIRDHARI BABU GOPAL.

Application No. 260/Bom/79 filed September 17, 1979.

Complete specification left after provisional on 5-5-1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 4 Claims.

A device for measuring the elapsed time of a trunk call and to give the various warning signals comprising a DC to DC converter circuit whose input is the station battery, a timing circuit which gives the required time pulse trains; and a trunk time indicator module having decade counters and decoders connected to a 'PP' relay driver which operates the 'PP' relay, a lamp relay driver which operates a flashing lamp and a display which gives a visual indication of the elapsed time.

Complete Specification 6 pages Drawings 2 Sheets.

Provisional specification 5 Pages Drawings 1 Sheet.

CLASS 33c + H

150849

Int. Cl. C21d—1/00, 5/00, C 22 C—37, 00.

#### PROCESS OF MAKING IMPROVED HOT TOPPING OR ANTI-PIPING COMPOSITION.

Applicants : AJAY METACHEM PVT. LTD., 784, DECCAN GYM KHANA, OPP. KAMALA NEHRU PARK, PUNE-411 004, MAHARASHTRA, INDIA.

Inventor : MADHAV GOVINDRAO PAWAR.

Application No. 347/BOM/79 filed Dec. 11, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent office, Bombay Branch.

#### 1 Claim

A process for making improved hot topping or anti-piping composition comprising adding to the presently known hot topping composition an additive composition in an amount of 0.5 to 25% by weight of the hot topping composition, in the form of  $SO_3$  gas treated graphite prepared by passing  $SO_3$  gas through wet graphite powder at the rate of 30 cc per second of  $SO_3$  gas in 100 Kgs. of wet graphite powder for 1 to 3 hours.

(Complete specification 5 pages Drawings Sheets Nil.)

CLASS 204

150850

Int. Cl. G 01 g (1/36 + 7/02)

#### A WEIGHING MACHINE.

Applicant & Inventor : THAIVANNAN SESHAGIRI, OF 33, III STREET, ABHIRAMAPURAM, MADRAS-600 018, TAMIL NADU.

Application No. 122/Mas/80 filed July 7, 1980.

Division of 185/Mas/77 filed February 17, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 2 Claims

A weighing machine, comprising the known weighing member, such as, the steelyard, characterised by a light source for setting up a light beam against the weighing member, the light beam being disturbed or interrupted during oscillation of the weighing member; a sensor for sensing the disturbance or interruption in the light beam during oscillation of the weighing member; and an indicator for the perceptible indication of the said disturbance or interruption or the cessation thereof so as to indicate the balance point.

(Complete Specification 5 pages; Drawing 1 sheets)

Ind. Cl. 204.

150851.

Int. Cl. G01g—21/00.

#### A PAN AND PAN SUPPORT MEMBER FOR TWO PAN BALANCE.

Applicant and Inventor : ISHWARLAL POPATLAL KANADIYA VINODRAI POPATLAL KANADIYA, SAN-MUKHARAI POPATLAL KANADIYA.

OF 65/6, INDUSTRIAL AREA, OPP. ICE FACTORY VATWA 382445, STATE OF GUJARAT, INDIA.

Application No. 241/BOM/80 filed Aug. 14, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent office, Bombay Branch.

#### 3 Claims

A pan and pan support member for a two pan balance consisting of a suspension bracket, a suspension arm/arms and a pan with an extended leg/legs, a hinge pin for connecting the suspension bracket to the suspension arm/arms; a plurality of holes provided in the extended leg/legs of the pan and a hinge pin for joining the suspension arm to the extended leg/legs of the pan so as to vary the length of the pan support member.

(Complete specification 5 pages Drawings 3 sheets).

CLASS 128K.

150852.

Int. Cl. A 61 m 25/00.

#### JUGULAR KNIFE FOR USE WITH JUGULAR CATHETER.

Applicant & Inventor : NARAYANASWAMY SREENIVASAN, NO. 30, KOTHANDARAMA IYER STREET, METTUPALAYAM, COIMBATORE, TAMIL NADU.

Application No. 120/Mas/80 filed July 4, 1980.

Complete specification left June 26, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 3 Claims

A jugular knife for use with jugular catheter comprising a twin bladed knife pointed at one end, the other end having a handle fixed thereto, the said pointed end terminating in a needle having a tunnel running from the needle and through the centre of the knife body to the top of the handle along their vertical axis.

(Prov. 2 pages; Com. 4 pages; Draws. 2 sheets).

CLASS 107 (G + I).

150853.

Int. Cl. F 02 m 7/12.

#### A FUEL ECONOMISER.

Applicant & Inventor : KADAMBI SESHADRI, NO. 4, THIRD MAIN ROAD, PAMMAL, ANNANAGAR, MADRAS-600 075, TAMIL NADU.

Application No. 139/Mas/80 filed July 31, 1980.

Complete specification left August 8, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 3 Claims

A fuel economiser comprising the known an intake system, known throttle valve assembly of an internal combustion, engine and a known regulator valve characterised in that the regulator valve, connected to a source of oxygen, is provided between the said intake system and the throttle valve of the said assembly, the said regulator valve being coupled to the said throttle valve, whereby whenever the throttle valve is opened or closed, the regulator valve also opens or closes correspondingly, to discharge a regulated supply of oxygen from the source to the said throttle valve.

(Prov. 3 pages; Com. 6 pages; Drwg. 1 sheet).

## CLASS 55D.

150854.

Int. Cl. A 61 k 27/14.

A PROCESS FOR THE MANUFACTURE OF AN ANTIDOTE FOR POISON.

Applicant & Inventor : THAMBUMALLA REDDIYAR VENKATAPATHY, 106, PERUMAL KOIL STREET, THIRUBUVANAI & P.O., (VIA) PALLINELLIANUR, PONDICHERY-605 107.

Application No. 17/Mas/81 filed April 6, 1981.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

## 2 Claims

A process for the manufacture of an antidote for poison comprising the selection of the herbs *Vitex Negunda* belonging to the family Verbanaceae, *Leucas Aspera* belonging to the family Labiatae and *Trylofora Indica* or *Trylofora Asmetica* belonging to the family Acelybitis; drying the leaves and leaf-stems of the said herbs; reducing the same to a homogeneous powder and encapsulating or moulding the same into tablets.

(Com. 5 pages).

## CLASS 112F.

150855.

Int. Cl. F 21 V 7/00.

IMPROVEMENT IN OR RELATING TO ELECTRIC LIGHTING UNIT HAVING REFLECTOR.

Applicants : SCOOTERS INDIA LIMITED, OF POST BAG NO. 1, SAROJINI NAGAR P.O., LUCKNOW-226008, UTTAR PRADESH, INDIA.

Inventor : MANMATHANATH SARKAR.

Application No. 994/Cal/78, filed September 11, 1978.

Appropriate Office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 4 Claims

An electric lighting unit having a reflector comprising a body housing the reflector, a transparent cover sealed hermetically adjacent its rim to the body, a shield of transparent material inserted into the body from the rear side of the body and hermetically sealed with the body and a holder for an electric bulb detachably secured to the rear of the body with the bulb located within the shield.

(Complete specification 5 pages Drg. 1 sheet.)

## CLASS 116C.

150856.

Int. Cl. B 65 g 43/00.

A DEVICE FOR HANDLING CONVEYOR BELT GARLANDS.

Applicant & Inventor : PROF. DR. ING W.S. WOLFGANG LUBRICH, OF WILHELM STRASSE 61, 5100 AACHEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 196/Cal/79 filed March 2, 1979.

Appropriate Office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 19 Claims

A device for handling conveyor belt garlands, which be fastened on the supporting structure of a band conveyor system with the use of a connecting gear designed in a jointed manner and arranged between the end of garland and a part of the supporting structure, this connecting gear possessing a holding element fixed on a mounting in the structure part, which element is attached to an intermediate member in a manner swingable about a horizontal axis, characterized by that the holding element on the structure part is engaged in form-locking fashion and that a tool applicable to the supporting structure is provided by means of which the garland can be installed and or demounted.

(Complete specification 17 pages. Drg. 4 sheets.)

## CLASS 64B.

150857.

Int. Cl. H 01 h 3/54. A TOOL FOR FACILITATING THE INSERTION OF AN ELECTRICAL CONTACT.

Applicants : BUNKER RAMO CORPORATION, OF 900 COMMERCE DRIVE OAK BROOK, Illinois, UNITED STATES OF AMERICA.

Inventor : HARLEY RAYMOND HOLT.

Application No. 205/Cal/79 filed March 5, 1979.

Appropriate Office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 31 Claims

A tool for facilitating the insertion of an electrical contact into a resilient contact receiving bore of an electrical connector, comprising : bore insertion means including sleeve means slidably movable between first and second positions and rod means coaxially aligned within said sleeve means for slidably moving between first and second positions, said first positions of said sleeves means and said rod means constituting extended positions : unitary control means for regulating the movement of said sleeve means and said rod means; said control means controlling movement of said rod means between said first position and said second position followed by movement of said sleeve means between said first position and said second position; said control means including means for temporarily securing said rod and said sleeve in said extended positions, said securing means including spring detent means cooperating with said rod means and said sleeve means and actuation means for moving said spring detent means to release said rod means and said sleeve means

(Complete specification 28 pages. Drg. 2 sheets.)

## CLASS 27E &amp; I.

150858.

Int. Cl. E 04 b 7/00.

PRE-CAST REINFORCED CONCRETE PLANK FOR ROOF STRUCTURE.

Applicants : ORISSA CEMENT LIMITED, OF RAJ-GANGPUR, DIST. SUNDARGARH, ORISSA, INDIA.

Inventor : UMA NATH RATH.

Application No. 622/Cal/79 filed June 16, 1979.

Appropriate Office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 10 Claims

A pre-cast reinforced cement concrete plank for roof structure which comprises a rectangular shaped stepped plank made of a bottom panel and an integral top panel of shorter length and width, wherein

(a) the said top panel is centrally located on the bottom panel,

(b) the length of the top panel is  $\frac{2}{3}$ rd the length of the bottom panel, and

(c) a sloping panel is disposed at each of the longitudinal edge of the top panel in such manner that the slope starts at zero thickness from the longitudinal edge of the bottom panel and terminates at the longitudinal edges of the top panel at the same thickness of the top panel.

(Complete specification 6 pages Drg. 1 sheet.)

## CLASS 107H

150859.

Int. Cl. F 02 m 49/02.

LIQUID FUEL INJECTION PUMPING APPARATUS.

Applicants : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM B19 2XF, ENGLAND.

Inventors : (1) ALEC HARRY SEILLY AND (2) DORIAN FARRAR NOWBRAY.

Application No. 263/Cal/79 filed March 17, 1979.

Convention date 22 March, 1978 (11313/78) U.K.

Appropriate Office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 19 Claims

A liquid fuel injection pumping apparatus for supplying fuel to an internal combustion engine and comprising a housing, a rotary distributor member mounted within the housing and which in use is driven in timed relationship with the associated engine, an injection pump also driven in use, in timed relationship with the engine, the injection pump including a pump chamber, the apparatus further including a delivery passage formed in the distributor member and communicating with the pump chamber, an outlet port formed in the housing and with which the delivery passage registers during an injection stroke of the injection pump, a feed port formed in the housing and a feed passage in the distributor member communicating with the pump chamber, said feed port and feed passage being brought into registration in the interval between injection strokes of the injection pump, a feed pump for supplying liquid fuel at a low pressure, a shuttle movable in a cylinder, control means for controlling the flow of fuel to one end of said cylinder whilst the other end of said cylinder is in communication with said feed port, the rate of movement of said shuttle towards said one end of the cylinder being reduced as the feed passage moves out of register with the feed port and the movement of the shuttle ceasing as the feed port and feed passage move out of register, measuring means for measuring the displacement of the shuttle which takes place whilst fuel is flowing from said one end of the cylinder and signal processing means responsive to the signal produced by the said measuring means for adjusting said control means in the event that the quantity of fuel supplied to the injection pump differs from the desired quantity of fuel.

(Complete specification 27 pages. Drg. 7 sheets)

## CLASS 27A

150860

Int. Cl. E01d 1/00, 9/00.

## A LONG SPAN BRIDGE.

*Applicant* : EUGENE WALTER SIVACHENKO, OF 6471 RIVERSIDE DRIVE, REDDING, CALIFORNIA, UNITED STATES OF AMERICA.

*Inventors* : FIROZE HORMUSJE BROACHA.

Application No. 272/Cal/79 filed March 20, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 20 Claims

A long span bridge having a bridge deck, at least one box beam disposed beneath the deck and forming a structural support therefor, and means for supporting the box beam at longitudinally spaced apart points, characterized in that the bridge comprises at least one elongate box beam including substantially parallel, spaced apart upper and lower chord plates and spaced part, generally upright sides for interconnecting the chord plates, the plates and the sides being defined by a plurality of generally parallel side-by-side corrugations which extend over substantially the full length of the box beam, means positioning respective edge portions of the chord plates and the sides proximate to each other and rigidly interconnecting such edge portions so as to render the box beam rigid; shear plate means placed against the sides and extending over at least a substantial portion thereof; and means for rigidly securing the shear plate means to the sides at a plurality of spaced part points distributed over the lateral and longitudinal extent of the shear plate means and the sides for enabling the shear plate means to support generally vertically acting forces while preventing a buckling of the shear plate means under such forces.

(Compl. Specn. 21 Pages. Drg. 1 Sheet)

## CLASS 47 B &amp; C &amp; 84A

150861

Int. Cl. C101 9/00, 9/04, 9/06

SYNERGISTICALLY COMBINED COAL LIQUEFACTION GASIFICATION PROCESS TO PROVIDE AN ELEVATED THERMAL EFFICIENCY IN THE PRODUCTION OF SYNTHESIS GAS.

*Applicants* : GULF OIL CORPORATION, OF P.O. BOX 1166, PITTSBURG, PENNSYLVANIA 15230 U.S.A.

*Inventor* : BRUCE KARL SCHMID.

Application No. 372/Cal/79 filed April 16, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 21 Claims

A synergistically combined coal liquefaction gasification process to provide an elevated thermal efficiency in the production of synthesis gas comprising passing mineral containing feed coal, hydrogen, recycle dissolved liquid solvent, recycle normally solid dissolved coal and recycle mineral residue to a coal liquefaction zone to dissolve hydrocarbonaceous material from mineral residue and to hydrocrack said hydrocarbonaceous material to produce a mixture comprising hydrocarbon gases, dissolved liquid and normally solid dissolved coal and suspended mineral residue; separating distillate liquid and hydrocarbon gases from a slurry comprising said normally solid dissolved coal, solvent and mineral residue, recycling to said liquefaction zone a portion of said slurry; passing the remainder of said slurry to distillation means including a vacuum distillation tower for distillation the slurry bottoms from said vacuum distillation tower comprising a gasifier feed slurry; said gasifier feed slurry comprising substantially the entire normally solid dissolved coal and mineral residue yield of said liquefaction zone substantially without normally liquid coal and hydrocarbon gases; passing said gasifier feed slurry to a gasification zone, said gasifier feed slurry comprising substantially the entire hydrocarbonaceous feed to said gasification zone; injecting water or steam into said gasification zone; said gasification zone including an oxidation zone having a maximum temperature in the range 2,200 to 3,600°F. for conversion of the hydrocarbonaceous material therein to synthesis gas said synthesis gas having a mol ratio  $H_2$  to CO of less than 1; converting a portion of said synthesis gas in a shift reaction to a first hydrogen-rich stream and passing said first hydrogen-rich stream to said liquefaction zone for use as process hydrogen; the amount of hydrocarbonaceous material passed to said gasification zone being sufficient to enable said gasification zone to produce an additional amount of synthesis gas beyond the amount required to produce process hydrogen which increases the thermal efficiency of said process when burned as fuel in said process; separating  $H_2$  from CO in at least a portion of said additional amount of synthesis gas to provide a second hydrogen-rich stream and a carbon monoxide-rich stream; and burning as fuel in said process an amount comprising at least 60 mol percent of the total CO plus  $H_2$  content of said additional amount of synthesis gas to supply between 5 and 100 percent on a heat basis of the total energy requirement of said process; said carbon monoxide-rich stream providing at least a portion of said fuel burned.

(Compl. Specn. 49 Pages, Drg. 1 Sheet.)

## CLASS 27B B &amp; N

150862

Int. Cl. E04b 1/00, E04C 3/00.

BUILDING UNIT OF PRE-FABRICATED ELEMENTS A METHOD FOR CONSTRUCTING SAID BUILDING UNIT AND A BUILDING OBTAINED BY THE ASSEMBLY OF SAID UNIT.

*Applicants* : STRONG HOUSE INTERNATIONAL INC., OF VIA ESPANA 200, PANAMA 5, REPUBLIC OF PANAMA.

*Inventors* : (1) ISREAL SIMON PAUL ANDRE, (2) CROSNIER HENRI LOUIS MAXIMIN.

Application No. 574/Cal/79 filed June 2, 1979.

Appropriate Officer for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta

#### 26 Claims

Method for constructing a building unit from prefabricated elements comprising a rectangular floor platform exclusively carried by a single foundation base whose horizontal dimensions are distinctly less than the horizontal dimensions of the platform, a roof platform having the same shape and the same dimensions as the floor platform and supported by a vertical tubular post which is disposed in vertical alignment with the base and connected to the floor platform, said method comprising constructing on the foundation ground a rigid base which comprises in its upper part four anchoring regions disposed at the corners of a horizontal rectangle whose two dimensions are less than the two dimensions of the platforms, assembling with the base in the four anchoring regions a rectangular stiffening frame which is centered on the rectangle defined by the anchoring regions, the sides of the frame being parallel to the sides of the rectangle formed by the anchoring regions and having dimensions less than the dimensions of the platforms, the length of the frame exceeding the parallel dimension of the anchoring rectangle, connecting the floor platform to the frame in a position which is roughly centered on and parallel to the frame, fixing the support post to the floor platform, and fixing the roof platform to the upper end of the post while putting the two platforms in vertical alignment with each other.

(Compl. Specn. 19 Pages. Drg. 5 Sheets.)

CLASS 32 F 150863  
Int. Cl. C08F 27/00.

PROCESS FOR PREPARATION OF ANION EXCHANGE RESINS WITH HIGH DENSITY BY BROMINATION OF CROSSLINKED VINYL TOLUENE COPOLYMERS.

*Applicants*: DIAMOND SHAMROCK CORPORATION, OF 1100 SUPERIOR AVENUE, CLEVELAND, OHIO, U.S.A.

*Inventors*: (1) JEAN E. E. HERBIN AND (2) PAUL D. A. GRAMMONT.

Application No. 627/Cal/79 filed June 19, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

#### 7 Claims. No drawing

A process for the preparation of high density anion exchange resins by bromination, characterized in that cross-linked vinyltoluene copolymer, particles are swollen in a chlorinated hydrocarbon solvent, dibrominated using bromine or a bromine-releasing agent, and aminated.

(Compl. Specn. 7 Pages. Drg. Nil.)

CLASS 128 C 150864  
Int. Cl. A61F 5/00.

#### GROUNDING ELECTRODE.

*Applicants*: JOHNSON & JOHNSON PRODUCTS, INC. OF 501 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, U.S.A.

*Inventors*: (1) LAWRENCE SYLVAN LAZAR AND (2) ROBERT FREDRICK WITTEMAN.

Application No. 12/Cal/80 filed Jan 1, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

#### 6 Claims

A grounding electrode useful in electrosurgery and easily contoured to body surfaces which comprises a flexible, per-

forated metal sheet, the lower side of which is coated with a conductive adhesive and the upper side of which is adhesively secured to a fenestrated film, said fenestrated film being adhesively secured to an open cell polymeric foam and means for conducting an electrical current secured to said metal sheet.

(Compl. Specn. 9 Pages. Drg. 1 Sheet.)

CLASS 182A 150865  
Int. Cl. C13j 1/02.

#### CRYSTALLIZER FOR THE TREATMENT OF A FILLER IN THE SUGAR INDUSTRY.

*Applicants*: MASCHINENFABRIK BUCKAU R. WOLF A.G. OF 4048 GREVENBROICH 1, LINDENSTR-43, FEDERAL REPUBLIC OF GERMANY.

*Inventors*: (1) DR. ING. ERWIN HESS AND (2) STEPHEN ZEHETMAYER.

Application No. 454/Cal/80 filed April 18, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

#### 8 Claims

A crystallizer for the treatment of a filler in the sugar industry comprising a cylindrical container with an agitator shaft extending coaxially in the interior of the container with stirring arms fixed on the said agitator and with heat exchange devices arranged between the stirring arms, characterized in that the heat exchange devices or cooling coils situated one above the other on several levels consist of coils of pipes extending in parallel fashion, and connected with one another, each coil being divided into two partial chords connected together.

(Compl. Specn. 7 Pages. Drg. 3 Sheets.)

CLASS 195 150866  
Int. Cl. F16K 13/00.

#### MULTI-PORT DISK VALVE, ESPECIALLY FOR DUST-REMOVAL DUCT SYSTEMS.

*Applicants*: BETH GMBH, OF FAISENALLEE D-2400 LUBECK 1, GERMANY.

*Inventors*: (1) WALTHER KRULL, (2) DIETER KOHN, AND (3) WOLF-DIETER SCHILLER.

Application No. 614/Cal/80 filed May 26, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

#### 8 Claims

A multiport valve comprising: a valve housing formed with a pair of spaced-apart opposite ports along a common axis and at least one further port, each of said opposite ports being provided with a respective valve seat; a valve plate in said housing between said opposite ports having a pair of oppositely convex shells each engageable with a respective one of said seats; and a pair of telescopically engaged relatively shiftable rods extending along the axis of said opposite ports and each connected to a respective one of said shells whereby said shells can be drawn together into mutually abutting relationship at their edges and urged by common movement of said rod to engage said seats selectively and, upon relative movement of said rods, can be urged individually into engagement with the respective seats.

(Compl. Specn. 13 Pages. Drg. 4 Sheets.)



CLASS 32F i &amp; 2b

150867

Int. Cl. C07d 63/18.

A PROCESS FOR THE PREPARATION OF NEW DERIVATIVES OF 1-AMINOPROPAN-2-OL.

Applicants: SANOFI, OF 40 AVENUE GEORGE V, 75008 PARIS, FRANCE.

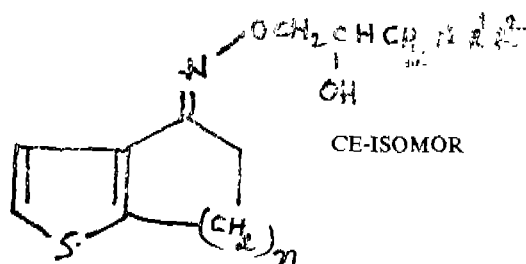
Inventors: (1) JEAN COURREGELONGUE, AND (2) JEAN-PIERRE MAFFRAND.

Application No. 54/Cal/81 filed January 17, 1981.  
Convention date 18th November, 1980 (36920/80) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

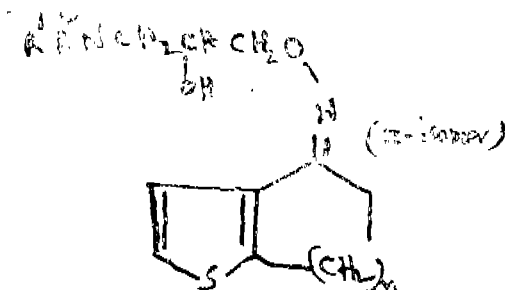
## 4 Claims

Process for the preparation of derivatives of 1-aminopropan-2-ol of the general formulae I



Formula I

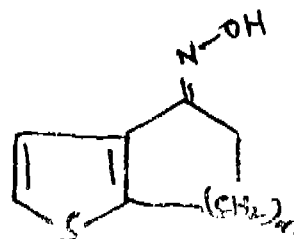
and II



Formula II

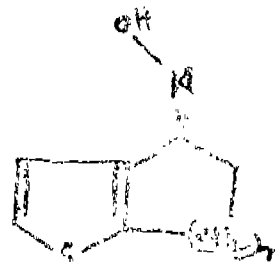
wherein R<sup>1</sup> and R<sup>2</sup>, which can be the same or different, are hydrogen atoms, straight-chained or branched alkyl radicals containing up to 10 carbon atoms; mono- or polycyclic cycloalkyl radicals containing up to 14 carbon atoms and optionally substituted one or more times by alkyl radicals containing up to 4 carbon atoms; straight-chained or branched alkenyl radicals containing 3 to 7 carbon atoms; straight-chained or branched alkynyl radicals containing 3 to 7 carbon atoms; aryl radicals or aralkyl radicals containing up to 4 carbon atoms in the alkyl moiety, the aromatic nuclei being optionally substituted one or more times by halogen atoms or hydroxyl groups or alkyl or alkoxy radicals containing up to 4 carbon atoms; heteroaryl radicals or heteroaralkyl radicals containing up to 4 carbon atoms in the alkyl moiety; aminoalkyl radicals containing up to 4 carbon atoms and optionally mono- or disubstituted on the nitrogen atom by alkyl radicals containing up to 4 carbon atoms; alkoxyalkyl radicals; or aryloxyalkyl radicals; or R<sup>1</sup> and R<sup>2</sup>, together with the nitrogen atom to which they are attached form a heterocyclic radical containing 5 to 7 ring members and optionally containing another heteroatom selected from oxygen, sulphur and nitrogen, the nitrogen being optionally substituted by an alkyl radical containing up to 6 carbon atoms or by an aryl, aralkyl or araryl radical, the aromatic nucleus of which is optionally mono- or polysubstituted by halogen atoms or hydroxyl groups; or alkyl or alkoxy radicals containing up to 4 carbon atoms; and n is 1, 2 or 3; and

of the addition salts thereof with pharmaceutically acceptable inorganic or organic acids which comprises (a) condensing an oxime of the general formula III



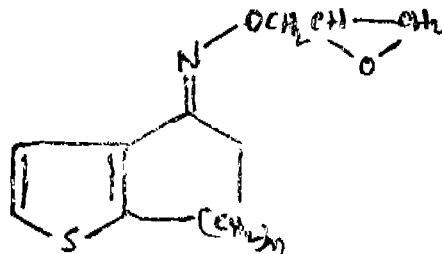
Formula III

or IV



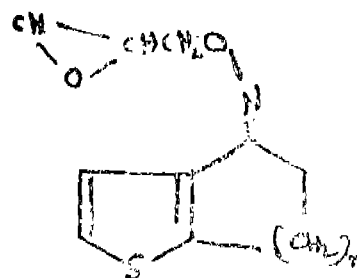
Formula IV

in which n has the same meaning as above, with an epihalohydrin in an inert solvent, in the presence of a base and at a temperature of from 10°C to the boiling point of the solvent, to give a compound of the general formula V



Formula V

or VI



Formula VI

in which n has the same meaning as above and (b) condensing a compound of general formula (V) or (VI) with an amine of the general formula HNR<sup>1</sup>R<sup>2</sup>, in which R<sup>1</sup> and R<sup>2</sup> have the same meanings as above, in an inert solvent and at a temperature of from 10°C to the boiling point of the solvent, to give a derivative of general formula (I) or (II) which, if desired, is reacted with a pharmaceutically acceptable inorganic or organic acid to give an addition salt.

(Compl. Specn. 25 Pages. Drg. 2 Sheets.)

## CLASS 68D &amp; 69D

150868

Int. Cl. H 02h 3/16

## ELECTRONIC EARTH LEAK PREVENTOR.

*Applicants & Inventors:* (1) SUBRAMANIAM GANESAN, (2) KANGALA NANJUNDESWARA CHETTY SHANMUGHAM, (3) MOHAMED ISMAIL SAIT, MADRAS PORT TRUST, MADRAS-600 001, TAMIL NADU.

Application No. 164/Mas/79 filed September 1, 1979.

Post dated to November 28, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 1 Claim

Electronic Earth Leak Preventor comprising a Circuit Breaker for isolating supply to electrical appliance, a Current Balance Transformer encircling line and Neutral conductors conducting forward and return currents to the appliance, a sensing coil of the said Current Balance Transformer being connected to an amplifying circuit to amplify the signal from sensing coil which is fed into one input of a logic gate circuit, the other input to the logic gate circuit being taken from appliance frame with reference to the Neutral and the output of the logic gate connected to the gate of silicon Controlled Rectifier, the Silicon Controlled Rectifier being connected to the control supply through the shunt trip coil of circuit breaker, such that the Silicon Controlled Rectifier conducts either for a signal from the current balance transformer amplified through amplifying circuit or for any abnormal voltage present in the appliance with reference to the grounded neutral or both through the logic gate, the conduction of Silicon Controlled Rectifier in turn energising shunt trip coil and causing the Circuit Breaker to trip and isolate the supply to the appliance.

(Com.—10 pages; Drawgs.—4 Sheets.)

## CLASS 72B

150869

Int. Cl. C06b 1/04.

## A METHOD OF PREPARATION OF CAST EXPLOSIVE COMPOSITIONS.

*Applicant:* IDL CHEMICALS LIMITED SANATNAGAR (I.E.) P.O., HYDERABAD-500 018, ANDHRA PRADESH.

*Inventors:* (1) PILAKA PRABHAKARA RAO (2) DR. GARIMELLA DURGA PRASAD, (3) RAJAGOPALAN VEDAM.

Application No. 48/Mas/80 filed March 14, 1980.

Complete specification left March 16, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 7 Claims. No drawing

A method of preparation of cast explosive compositions containing one or more known oxygen supplying salts one of which being ammonium nitrate, and a known fuel, comprising the steps of preparing a eutectic of the salt/salts and fuel in a known way, melting the said eutectic and incorporating therein expanded or unexpanded forms of microspheres.

(Prov.—7 Pages; Com.—9 pages)

## CLASS 201C

150870

Int. Cl. C08j 1/34.

## A PROCESS FOR REGENERATION OF ION EXCHANGE RESIN.

*Applicant:* CORI INDUSTRIES, AN INDIAN PARTNERSHIP FIRM, OF 134, (OLD NO. 12/13), ANGAPPA NAICKEN STREET, MADRAS-600 001, TAMIL NADU.

*Inventor:* TANJORE RAMACHANDRA VISVANATHAN.

Application No. 197/Mas/80 filed November 5, 1980.

Complete specification left: January 22, 1982.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Madras Branch.

## 12 Claims

A process for regeneration of ion exchange resins comprising providing a cathode and an anode in ion exchange resin beds and allowing current to pass therethrough so as to create acidic and alkaline conditions around said anode and cathode respectively thereby regenerating spent resins *in-situ*.

(Prov.—2 pages; Com.—10 pages; Drawgs.—1 Sheet)

## CLASS 39G

150871.

Int. Cl. C01f 7/50

A PROCESS FOR THE PRODUCTION OF HYDRATED ALUMINIUM FLUORIDE ( $\text{AlF}_3 \cdot 3\text{H}_2\text{O}$ ) FROM SCRUBBER LIQUORS OBTAINED FROM THE PHOSPHATIC FERTILISER INDUSTRY.

*Applicant:* THE FERTILISERS AND CHEMICALS, TRAVANCORE LIMITED, P.O. UDYOGAMANDAL, COCHIN, KERALA.

*Inventors:* (1) KOCHUPARAMPIL CHERIAN GEEVARGHESE, (2) KALLIVALAPPIL VARUNNY JOSE, (3) DR. JOSEPH XAVIER AND (4) DR. CHEMBUMKULAM SREEDHARAN BHASKARAN NAIR.

Application No. 8/Mas/81 filed January 13, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 7 Claims.

A process for the preparation of hydrated aluminium fluoride ( $\text{AlF}_3 \cdot 3\text{H}_2\text{O}$ ) from scrubber liquor obtained from the phosphatic fertiliser industry containing 12-20 percent hydrofluosilicic acid ( $\text{H}_2\text{SiF}_6$ ) and 250-300 mg per litre of  $\text{P}_2\text{O}_5$  comprising the steps of reacting it with hydrated alumina at 90-100°C, removal of the precipitated silica and crystallisation of the aluminium fluoride in solution as the beta  $\text{AlF}_3 \cdot 3\text{H}_2\text{O}$  at 90-95°C and separation of the said  $\text{AlF}_3 \cdot 3\text{H}_2\text{O}$  from the mother liquor, characterised in that only 90-95 percent of the stoichiometric quantity of hydrated alumina required for reacting with the fluorine is added and the transformation of the alpha form of the aluminium fluoride to the beta form is effected at a pH of 1.0 by the addition of a mineral acid.

(Compl. Specn. 10 Pages.)

## CLASS 53A &amp; 60C

150872.

Int. Cl. A42b 3/02

## FOLDABLE CRASH HELMET.

*Applicant & Inventor:* DR. GOWRISHANKER PANDIT RAO PAINITKAR, NO. 5-2-1026, JAWAHARLAL NEHRU ROAD, HYDERABAD-600 001, A.P.

Application No. 121/Mas/81 filed June 8, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 2 Claims.

A foldable crash helmet comprising a plurality of inverted "U" shaped plates, each plate having a spur at the periphery on the outer side of its apex, a connecting means to which at least one such "U" shaped plate is fixedly mounted and real collapsibly connected through the spurs, each of the said plate being provided with a hole and a knob, one on either side of its base, the hole on one plate capable of aligning itself with the knob of the adjacent plate.

(Copl. Specn. 2 Pages. Drgs. 1 Sheet.)

CLASS : 154H

150873.

Int. Cl. D06P 1/16, 1/52

A PROCESS FOR PRINTING POLYESTER OR POLYESTER CELLULOSIC BLENDED FABRIC FOR IMPARTING A DIFFUSED PRINT EFFECT THERETO AND FABRIC PRINTED THEREBY.

Applicants: AHMEDABAD MANUFACTURING AND CALICO PRINTING COMPANY LIMITED OF POST BOX 12, AHMEDABAD, GUJARAT STATE, INDIA.

Inventors: (1) KRISHNAKANT GIRDHARILAL SHAH, (2) KANAIYALAL DURGASHANKAR PANCHOLI, (3) JAGDISH ISHWARLAL SETALWAD AND (4) GHANSHYAM DAS THAKURMAL JASUJA.

Application No. 304/BOM/79 filed Nov. 3, 1979.

Complete Specification filed Dec. 17, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 9 Claims.

A process for printing polyester or polyester cellulosic blended fabrics for imparting a diffused print effect thereto, said fabrics consisting of pure or blended spun polyester yarn in warp and/or weft comprising printing the said fabrics with a printing paste containing at least a known disperse dyestuff for polyester only, a known thickening agent and polyethylene glycol of 400 molecular weight as auxiliary agent having normally a capillary action and further also capable of dissolving a part of said dyestuff, the step of printing allowing a deactivation of the normal capillary action of the auxiliary agent, a drying said fabrics, activating the said capillary action of said auxiliary agent and fixing the dyestuff to the fabrics by wet steaming under high pressure followed by washing and drying the fabrics in known manner.

(Prov. Specn. 6 Pages. Drag. Nil.)

(Compl. Specn. 19 Pages. Drag. 1 Sheet.)

CLASS 49E+136C

150874.

Int. Cl. A21C 3/00

AN APPARATUS FOR MAKING PAPAD AND OTHER COMESTIBLES.

Applicant & Inventor: SHARADCHANDRA DATTARAM PANDIT OF "AMRIT BHUVAN" II<sup>nd</sup> FLOOR, NO. 18, 153, "KHADILKAR ROAD, GIRGAON, BOMBAY-400004, MAHARASHTRA, INDIA.

Application No. 336/BOM/79 filed Nov. 29, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 5 Claims.

An apparatus for making papad and other comestibles out of dough from flours of selected pulses, comprising of two main assemblies, an upper assembly constituting the main body or casing and a lower assembly forming a dough container, a plunger assembly provided within the said main body or casing, means for moving the plunger assembly into the dough container and retracting the plunger assembly, characterised in that the said dough container is adapted to be releasably secured to the main body by a bayonet joint locking, an adjacent die assembly being provided within and adjacent to an outlet formed in the dough container for extruding dough in the form of a sheet through the said die.

(Compl. Specn. 19 Pages. Drag. 8 Sheets.)

CLASS : 154H

150875.

Int. Cl. D06p 1/16, 1/52

PROCESS FOR PRINTING POLYESTER OR POLYESTER CELLULOSIC BLENDED FABRIC FOR IMPARTING A DIFFUSED PRINT EFFECT THERETO AND FABRIC PRINTED THEREBY.

Applicants: AHMEDABAD MANUFACTURING AND CALICO PRINTING COMPANY LIMITED OF POST BOX 12, AHMEDABAD, GUJARAT, INDIA.

Inventors: (1) KRISHNAKANT GIRDHARILAL SHAH, (2) KANAIYALAL DURGASHANKAR PANCHOLI (3) JAGDISH ISHWARLAL SETALWAD AND (4) GHANSHYAM DAS THAKURMAL JASUJA.

Application No. 56/BOM/80 filed March 10, 1980.

Ante-dated to 17-12-79 divided out of 304/BOM/79.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 9 Claims.

A process for printing polyester or polyester cellulosic blended fabrics for imparting a diffused print effect thereto, said fabrics consisting of pure or blended spun polyester yarn in warp and/or weft, comprising printing the said fabrics with a printing paste containing at least a known disperse dyestuff for polyester only, a known thickening agent and polyethylene glycol having a molecular weight of 200 or above but below 400 as an auxiliary agent having normally a capillary action and further also capable of dissolving a part of the dyestuff, said step of printing allowing a deactivation of the normal capillary action of the auxiliary agent, drying said fabrics, activating the capillary action of said auxiliary agent and fixation of the dyestuff to the fabrics by wet steaming under high pressure followed by washing and drying the fabrics in known manner.

(Compl. Specn. 12 Pages. No. Drag.)

CLASS 167C

150876.

Int. Cl. B03c 1/28

A DEVICE FOR REMOVING FERROUS PARTICLES FROM SUBSTANCES MIXED THEREWITH.

Applicant & Inventor: NATESA THIYAGARAJAN BHARADWAJ, NO. 44 (28), CUTCHERY ROAD, MADRAS-600 004, TAMIL NADU.

Application No. 150/Mas/81 filed August 27, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 2 Claims.

A device for removing ferrous particles from substances mixed therewith comprising a rod permanently magnetised over the entire length thereof; a metal sheath snugly enclosing the rod to serve as a protective cover, one end of the sheath being closed while the other end terminates in a hollow handle, the said handle accommodating a resilient member urged against the rod so as to resiliently hold the rod in place within the sheath.

(Compl. Specn. 4 Pages. Drwg. 1 Sheet.)

## OPPOSITION PROCEEDINGS

## (1)

An opposition entered by Pulling Lifting Machines Private Limited to the grant of a patent on application No. 142110 made by Tractel Tirfor India Private Limited notified in the Gazette of India, Part-III, Section 2 dated the 31st December, 1977 has been dismissed and a patent on this application will be sealed subject to the amendment of the specification.

(2)

An opposition has been entered by IDL Chemicals Limited to the grant of a patent on application No. 150053 made by Indian Explosives Limited.

## PATENTS SEALED

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149561 149622 149675 149688 149689 149718 149757 149764  
149781 149783 149784 149816 149820 149826 149831 149858  
149865 149866 149899

*Claim Under Section 20(1) of the Patents Act, 1970*

(1)

Notice is hereby given that the claim made by METAL-LURGICAL DEVELOPMENT COMPANY under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent Application No. 148170 in his name has been allowed.

(2)

Notice is hereby given that claim made by ALLEGHENY LUDLUM STEEL CORPORATION under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 148633 in their name has been allowed.

## RENEWAL FEES PAID

110515 111849 111926 113378 113492 113497 113543 113647  
113861 113942 114101 114625 116649 116816 117043 117468  
118820 118833 118846 118932 119006 119028 119074 119080  
119105 119106 122253 122550 122873 123205 124242 124330  
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136340 136375 136492 136802 136807 136929 137020 137291  
137323 137661 137687 137702 137707 137738 137808 137817  
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148896 148897 148898 148900 148906 148912 148932 148940  
148950 149005 149017 149085 149093 149094 149125 149165  
149171 149178 149204 149217 149259 149273 149274 149323

149356 149367 149505 149556 149575 149587 149598 149751  
149774

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 152267. Press Metal Corporation Limited, (an existing company under the Companies act) at M. Vasanji Road, (Andheri-Kurla Road) Bombay-400 059. "Cable Tray". 3rd September, 1982.

Class. 1. No. 152158. John Andersoin Oram, a British Subject of 243 Heath Road, Leighton Buzzard, Bedfordshire, England. "Dental Lamp Head". 7th August, 1982.

Class. 1. No. 151589. Mohammed Ismail, Indian B/14, Nor Manzil, 218, L. B. S. Marg, Kurla, Bombay-400 070, Maharashtra State, India. "a front Panel of a Welding Rectifiers". 12th February, 1982.

Class. 1. No. 151590. Mohammed Ismail, Indian, B/14, Nor Manzil, 218, L. B. S. Marg, Kurla, Bombay-400 070, Maharashtra State, India. "a front Panel of a Welding Rectifiers". 12th February, 1982.

Class. 1. 151904. Rana Engineering Works, Sirhind (Pb.), an Indian partnership firm. "Belt Fastening Hook". 12th May, 1982.

Class. 1. No. 151909. Kinetic Engineering Limited, a Company incorporated in India and existing under the Companies Act, 1956, of India whose address is D1 Block, Plot No. 18/2, Chinchwad, Pune-411 019, State of Maharashtra, India. "a moped". 18th May, 1982.

Class. 1. No. 151922. Shri Jagdish Jivrajbhai and Shri Shantilal Jivrajbhai trading as M/s. Jagdish Industries at Udyog Nagar, JASHDAN (Dist. Rajkot-Guj.) (INDIAN). "Ground Nut Thrasher Cutter". 25th May, 1982.

Class. 1. No. 151923. Shri Jagdish Jivrajbhai and Shri Shantilal Jivrajbhai trading as M/s. Jagdish Industries at Udyog Nagar, JASHDAN (Dist. Rajkot-Guj.) (INDIAN). "Ground Nut Thrasher Cutter". 25th May, 1982.

Class. 1. No. 152227. Vinodrai Vanravandas Barchha, an Indian of Flat No. 9B, 9th Floor, "NNEL KAMAL" 41, Elgin Road, Calcutta-700 020, West Bengal, India. "BAG". 28th August, 1982.

Class. 1. No. 152024. Peico Electronics and Electricals Limited of Shivsagar Estate, Block, 'A', Dr. Annie Besant Road, Worli, Bombay 18 (WB), Maharashtra State, India, an Indian Company. "Electrophone". 29th June, 1982.

Class. 1. No. 152223. Pressure Cookers & Appliances Limited, an Indian Company, of F-101, Maker Towers, Cuffe Parade, Bombay-400005, Maharashtra, India. "Pressure Cooker". 25th August, 1982.

Class. 1. No. 151906. J. P. Minda & Kalpna Minda, both of Indian Nationals trading as Anu Auto Industries at A-66/4 G. T. Karnal Road, Industrial Area, Delhi-110033, of above address. "Ignition Coil". 13th May, 1982.

- Class. 1. No. 151995. Mail Order Sales Private Limited, Mehta Mahal, 10th floor, 15, Mathew Road, Bombay-400 004, Maharashtra State India. "Stomach Trimmer". 18th June, 1982.
- Class. 1. No. 151977. N. P. Kinarwala Private Limited, 148, Mukti Medan, Maninagar, Ahmedabad-380008, Gujarat State, India, an Indian Company. "Air Valve Cover". 9th June, 1982.
- Class. 3. No. 151891. Peico Electronics and Electricals Limited, of Shivasagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 18 (WB), Maharashtra State, India, an Indian Company, "Record Player". 10th May, 1982.
- Class. 3. No. 152281. Vinodrai Vanravandas Barchha, an Indian of Flat No. 9B, 9th Floor, "Neel Kamal", 41, Elgin Road, Calcutta-700 020, West Bengal, India. "BAG". 14th September, 1982.
- Class. 3. No. 152188. Sada Ram & Sons, Badrinath Marg, Koldwara, District Pauri Garhwal, Uttar Pradesh, a firm registered under the partnership Act, 1932. "Shoe Sole". 12th August, 1982.
- Class. 3. No. 151890. Peico Electronics and Electricals Limited, of Shivasagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 18 (WB), Maharashtra State, India, an Indian Company. "Loudspeaker". 10th May, 1982.
- Class. 3. No. 151779. Peico Electronics and Electricals Limited, of Shivasagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 18 (WB), Maharashtra State, India, an Indian Company. "Amplispeaker". 7th April, 1982.
- Class. 3. No. 151801. Lakme Limited, an Indian Company, of Bombay House, Honi Mody Street, Bombay-400 023, Maharashtra State, India. "Powder Compact". 12th April, 1982.
- Class. 3. No. 151899. Samsonite Corporation, of 11200 East Forty-Fifth Avenue, Denver, Colorado 80239, United State of America. "Attache Case". 12th May, 1982.
- Class. 3. No. 152036. Peico Electronics and Electricals Limited of Shivasagar Estate, Block 'A', Dr. Annie Besant Road, Worli Bombay 18 (WB), Maharashtra State India, an Indian Company. "Portable Transistor". 6th July, 1982.
- Class. 3. No. 151777. Peico Electronics and Electricals Limited, of Shivasagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 18 (WB), Maharashtra State, India, an Indian Company. "Loudspeaker". 5th April, 1982.
- Class. 3. No. 151776. Peico Electronics and Electricals Limited, of Shivasagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 18 (WB), Maharashtra State, India, an Indian Company. "Loudspeaker". 5th April, 1982.
- Class. 3. No. 152205. Atul Electronics Corporation, an Indian Registered partnership Firm of plot No. D 18 & 19 Ddyog Nagar, Navasri, 3964445 Gujarat. Side Projectors". 17th August, 1982.
- Class. 3. No. 151747. Peico Electronics and Electricals Limited, of Shivasagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 18 (WB), Maharashtra State, India, an Indian Company. "Electrophone". 29th March, 1982.
- Class. 3. No. 151841. Vacuum Forming Company, 3/21, Prahadevi Industrial Estate, 402, Cadell Road, Bombay 400 025, Maharashtra State, an Indian Partnership Firm. "Air Marshalling Wands". 24th April, 1982.
- Class. 3. No. 151958. The Sigma Steel Industries, A-2, Industrial Estate, Ludhiana Punjab-141003. India. An Indian Partnership Firm. "Knapsack Sprayers". 2nd June, 1982.
- Class. 3. No. 151902. La Telemecanique Electrique, of 33 bis et 33 ter, Avenue du Marechal-Joffre, 92000 Nanterre, France. "Contactor Serie". 12th May, 1982.
- Class. 3. No. 151901. La Telemecanique Electrique, of 33 bis et 33 ter, Avenue du Marechal-Joffre, 92000 Nanterre, France. "Contactor Current Reverser". 12th May, 1982.
- Class. 3. No. 151900. Samsonite Corporation, of 11200 East Forty-Fifth Avenue, Denver, Colorado 80239, United States of America. "Attache Case". 12th May, 1982.
- Class. 3. No. 152273. Nilkamal Plastic & Allied Industries, 5, Rewa Chambers, first floor, New Marine Lines, Bombay-400020, Maharashtra, an Indian Partnership Firm. "Shopping Bag". 8th September, 1982.
- Class. 3. No. 152272. Miranda United Industries, 47, Rua Saudades, Pajifond, Margao, Goa 403601 (Union Territory), an Indian Sole Proprietary Firm. "Automatic Flush Valve". 8th September, 1982.
- Class. 3. No. 151755. Itera Development Center AB., a Swedish Joint Stock Company, of Stora Nygatan 17, S-41108 Goteborg, Sweden. "Bicycle Frame". 30th March, 1982.
- Class. 3. No. 151756. Itera Development Center AB., a Swedish Joint Stock Company, of Stora Nygatan 17, S-411 08 Goteborg, Sweden. "Bicycle". 30th March, 1982.
- Class. 3. No. 151757. Itera Development Center AB., a Swedish Joint Stock Company, of Stora Nygatan 17, S-411 08 Goteborg, Sweden. "Bicycle Wheel". 30th March, 1982.
- Class. 3. No. 152139. Dunlop Limited, a British Company of Dunlop House, Ryder Street, St. James's London S.W.1, English. "Tyre for a Vehicle Wheel". Reciprocity Date is, 9th March 1982. (U.K.)
- Class. 3. No. 152082. Peico Electronics and Electricals Limited, of Shivasagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 18 (WB), Maharashtra State, India, an Indian Company. "Radio". 8th July, 1982.
- Class. 3. No. 152008. B. R. Plastics, 314, A to Z Industrial Estate, 3rd Floor, Fergusson Road, Bombay-400 013, (A registered partnership concern) tra. "Tooth Comb". 24th June, 1982.
- Class. 3. No. 151738. Ethio Plastic Private Limited, a Company registered in India, 15-16, Baroda Co-Op. Ind., Estate Ltd., Chhani Road, Baroda-390 002, State of Gujarat, India. "A Plastic Square Jar". 29th March, 1982.
- Class. 3. No. 151973. Peico Electronics and Electricals Limited, of Shivasagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra State, India, an Indian Company. "Mixer". 7th June, 1982.
- Class. 3. No. 151961. Peico Electronics and Electricals Limited, of Shivasagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra State, India, an Indian Company. "Stopper for the Closure of the Container of a Mixer". 3rd June, 1982.
- Class. 3. No. 151941. Poddar-Prayogshala, Fatehpur-Shekhwati (Raj) (an Indian Partnership firm). "Container". 31st May, 1982.

- Class. 3. No. 152035. Peico Electronics Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra State, India, an Indian Company. "Portable Transistor". 6th July, 1982.
- Class. 3. No. 152040. Peico Electronics and Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra State, India, an Indian Company. "Portable Transistor". 7th July, 1982.
- Class. 3. No. 151921. Pee Key Corporation, A-18, Gandhi Nagar, Ghaziabad (U.P.) (an Indian Partnership Firm). "Paper Clip". 25th May, 1982.
- Class. 3. No. 151907. Dunlop India Limited., an Indian Company, of 57B, Mirza Ghalib Street, Calcutta-700016, West Bengal, India. "Rickshaw Tyre". 17th May, 1982.
- Class. 4. No. 152111. The Bengal Electric Lamp Works Limited, Manufacturers, a Company incorporated in India under the Indian Companies Act, 1913, having its registered office at 4, Fairlie Place, Calcutta-700001, State of West Bengal, India. "An Electric Lamp". 26th July, 1982.
- Class. 4. No. 152079. The Mahalakshmi Glass Works Private Ltd., a Private Limited Company incorporated under the Indian Companies Act, Dr. E. Moses Road, Jacob Circle, Bombay-400011, Maharashtra, India. "Bottle". 8th July, 1982.
- Class. 4. No. 152080. The Mahalakshmi Glass Works Private Ltd., a Private Limited Company incorporated under the Indian Companies Act, Dr. E. Moses Road, Jacob Circle, Bombay-400011, Maharashtra, India, "Bottle". 8th July, 1982.
- Class. 5. No. 152321. The Sun Match Industries, Mannarkottai Road, Sattur-626 203, Tamil Nadu, India, Indian Nationals. "Match Boxes". 21st September, 1982.

Dr. K. V. SWAMINATHAN.  
Controller General of Patents, Designs  
and Trade Marks